

Title (en)

METHOD FOR MANUFACTURING HONEYCOMB FILTER AND HONEYCOMB FILTER

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES WABENFILTERS UND WABENFILTER

Title (fr)

PROCEDE DE FABRICATION DE FILTRE EN NID D'ABEILLE ET FILTRE EN NID D'ABEILLE

Publication

**EP 1837063 A1 20070926 (EN)**

Application

**EP 05820087 A 20051222**

Priority

- JP 2005023684 W 20051222
- JP 2004371959 A 20041222
- JP 2005133549 A 20050428
- JP 2005133550 A 20050428
- JP 2005158643 A 20050531
- JP 2005159263 A 20050531

Abstract (en)

A method for producing a honeycomb filter from a honeycomb structure having large numbers of flow paths partitioned by cell walls, comprising inserting a tubular member into each of the flow paths, and injecting a plugging material into each of the flow paths from the tubular member to form a plug in each of the flow paths at a position separate from the end surface of the honeycomb structure, the tubular member having an outer diameter that is 40-90% of the opening size of the flow path, the plugging material comprising at least a ceramic material having a maximum particle size that is 85% or less of the inner diameter of the tubular member, and an average particle size of 1  $\mu\text{m}$  or more.

IPC 8 full level

**B01D 46/24** (2006.01)

CPC (source: EP KR US)

**B01D 39/00** (2013.01 - KR); **B01D 39/20** (2013.01 - KR); **B01D 46/2429** (2013.01 - EP KR US); **B01D 46/244** (2013.01 - EP KR US); **B01D 46/24491** (2021.08 - EP KR US); **B01D 46/2459** (2013.01 - EP KR US); **B01D 46/2482** (2021.08 - EP KR US); **F01N 3/02** (2013.01 - KR); **B01D 46/247** (2013.01 - US); **B01D 2279/30** (2013.01 - EP US)

Cited by

EP1997556A4; GB2508485B; EP2042224A3; EP2221098A1; EP2108433A1; EP2108435A1; US8361399B2; US9138731B2; DE112009000160T5; DE102014117672A1; EP2244812A1; WO2011092517A1; WO2011092519A1; WO2011092521A1; WO2011092523A1; DE102011010103A1; DE102011010104A1; DE102011010105A1; DE102011010107A1; DE102011010106A1; US8263032B2; US8603423B2; US8609047B2; US8641993B2; US8815190B2; US9040003B2; DE202011110610U1; US9283519B2

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

**EP 1837063 A1 20070926**; **EP 1837063 A4 20090429**; **EP 1837063 B1 20110601**; CN 101080261 A 20071128; CN 101080261 B 20101103; KR 20070095889 A 20071001; US 2008155952 A1 20080703; US 7892309 B2 20110222; WO 2006068256 A1 20060629

DOCDB simple family (application)

**EP 05820087 A 20051222**; CN 200580042827 A 20051222; JP 2005023684 W 20051222; KR 20077013129 A 20070611; US 72253705 A 20051222